Date: 14th April 2023
Object: A5021-LoSP-Twoyearsoperation-00
Destination: Assiut Hydrocracking Complex – ANOPC – Egypt

ANOPC

T.EN TECHNIP ENERGIES

PROJ.: ASSIUT HYDROCRACKING COMPLEX
OWNER: ASSIUT NATIONAL OIL PROCESSING COMPANY(ANOPC)

MATERIAL REQUISITION No.
079254C MR |4|1|9|0|-|0|0|3
ITEM: 55-Z-001
SR Doc. CODE: A5021
PURCHASE ORDER N.: 079254A0166

T.EN TECHNIP ENERGIES VENDOR DOCUMENT REVIEW

- ☐ 1 REVISE AND RESUBMIT
- ☒ 2 TO BE ISSUED AS FINAL PROVIDED COMMENTS ARE INCORPORATED
- ☐ 3 NO COMMENT – FINAL ISSUE
- ☐ 4 FOR INFORMATION ONLY

Nov. 27 2023, A.Belpassi

clean

| Document | Date | Commitment n° |
|---|---|---|
| A5021 - LoSP | 14/04/2023 | 802-22 |

| | | | | | |
|---|---|---|---|---|---|
| Rev. | 00 | Date | 14/04/2023 | Mod. object | First emission |
| Rev. | 01 | Date | | Mod. object | |
| Rev. | 02 | Date | | Mod. object | |
| Rev. | 03 | Date | | Mod. object | |
| Rev. | 04 | Date | | Mod. object | |

| | | | |
|---|---|---|---|
| Installation site | Assiut (EGY) | | LoSP - Two years operation |
| Scale | --- | | WHEEL WASHING SYSTEM |
| Drawn by | M.A. | Sign | |

**Clean S.r.l.**
Via Borgo Padova, 64
35012 Camposampiero (PD) - ITALY
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www.lavaruote.it
www.abbattimento-polveri.it
Tel. +39.049.9300500
fax +39.049.9320042

Customer

TECHNIP ENERGIES ITALY

Please see the comments inside the file.

Assistenza Clienti dall'Italia +39.049.9300.500

SGQ certificato secondo la norma UNI EN ISO 9001:2015

YouTube Watch our machines in action on the Clean YouTube Channel of Clean®: **CLEAN IMPIANTI**

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ANOPC | TECHNIP ENERGIES

**SPARE PARTS LIST FOR 2 YEARS OPERATION AND INTERCHANGEABILITY RECORD**

Project N° : 079254C | Rev. 0 | Page 1/2

Owner: ANOPC

Equipment/Material: COKE TRUCKS WASHING STATION | Contract | Unit 000 | Code

Supplier & References: CLEAN SRL

Main order Reference: MR 4190-003 PO: 079254A0166 | SPARE PARTS ORDER No. PO

| PROGR N | Tot. Inst No. | DESCRIPTION & SIZE | MATERIAL | Supplier Documents No. | Supplier Documents Pg/Ps | CODE SUPPLIER | MFR/SUBVENDOR | OWNER CODE | QTY FOR 2 YEARS Recomm Ven | QTY FOR 2 YEARS Recomm Tec | QTY FOR 2 YEARS Final Sel | AMOUNT UNIT PRICE EURO | AMOUNT TOTAL PRICE Column P/Q/T | DELIVERY DATE weeks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E F | G | H | J | K | L | M | N | O | P |
| 1 | 48 | Rope system for automatic oil and grease removal: ceramic rail for driving wheel W40/S100 (kit 12 pcs) | ceramic | A5015-A5016-IUM | 260 5 | 104 000 001/SPR 54 420 | SEPRA/CLEAN | | 4 | 4 | | 900,00 € | 3.600,00 € | 8 |
| 2 | 4 | Rope system for automatic oil and grease removal: oil collector rope scrapersW40/S100 (kit 02 pcs) | ceramic | A5015-A5016-IUM | 260 6 | 104 000 002/SPR 54 410 | SEPRA/CLEAN | | 2 | 2 | | 195,00 € | 390,00 € | 8 |
| 3 | 6 | Rope system for automatic oil and grease removal: ceramic cylinders 1U/W40/S100 (kit 02 pcs) | ceramic | A5015-A5016-IUM | 261 10 | 104 000 003/SPR 54 421 | SEPRA/CLEAN | | 3 | 3 | | 135,00 € | 405,00 € | 8 |
| 4 | 2 | Rope system for automatic oil and grease removal: driving wheels | cast iron/steinless steel | A5015-A5016-IUM | 261 2 | 105 000 021/SPR 54 426 | SEPRA/CLEAN | | 2 | 2 | | 840,00 € | 1.680,00 € | 8 |
| 5 | 96 | Wheel Washing Lane: washing nozzles 1/2" (kit 20 pcs) | brass | A5015-A5016-IUM | 19 part of 004 | LA.001 NZ 12 | CLEAN SRL | | 2 | 2 | | 500,00 € | 1.000,00 € | 8 |
| 6 | 256 | Wheel Washing Lane: washing nozzles 3/8" (kit 20 pcs) | brass | A5015-A5016-IUM | 18 part of 001 and 002 | LA.002 NZ 38 | CLEAN SRL | | 2 | 2 | | 400,00 € | 800,00 € | 8 |
| 7 | 2 | Clarification tank: gearbox + coupling flange + pre-stage; anti-seizure system for chain; driving wheel complete of axis and bearings | several (cast iron,carbon steel S235JR, stainless steel) | A5015-A5016-IUM | 57 ALL | LA 053 | CLEAN SRL | | 2 | 2 | | 2.800,00 € | 5.600,00 € | 8 |
| 8 | 2 | Rope system for automatic oil and grease removal: rope for oil removal (mt 9,5) | Polimeric | A5015-A5016-IUM | 19 part of 009 | 54 080 | SEPRA/CLEAN | | 4 | 4 | | 750,00 € | 3.000,00 € | 8 |
| 9 | 6 | Clarification Tank: floating sensor 10mt cable | Plastic | A5015-A5016-IUM | 84 ALL | OR. MAN. P/N: 72.A1.0.000.1001 CLEAN P/N: LA 041 | FINDER/CLEAN SRL | | 2 | 2 | | 195,00 € | 390,00 € | 8 |
| 10 | 2 | Wheel Washing Lane: proximity sensor (entry side) | Plastic | A5015-A5016-IUM | 21 021 | LA 018a | CLEAN SRL | | 2 | 2 | | 350,00 € | 700,00 € | 8 |
| 11 | 2 | Wheel Washing Lane: proximity sensor (exit side) | Plastic | A5015-A5016-IUM | 21 021 | LA 018b | CLEAN SRL | | 2 | 2 | | 220,00 € | 440,00 € | 8 |
| 12 | 1 | Clarification Tank: solenoid valve 1" DN25 model 21W4KB250-MR | brass | A5015-A5016-IUM | 90-91 ALL | OR. MAN. P/N: 21W4KB250-MR CLEAN P/N: LA 022 | TECNOUNO/CLEAN | | 1 | 1 | | 295,00 € | 295,00 € | 8 |
| 13 | 1 | Electrical control panel: PLC Siemens with software installed model 6ES7212-1BE40-0XB0 | various | A5015-A5016-IUM | 92-98 ALL | OR. MAN. P/N: 6ES7212-1BE40-0XB0 CLEAN P/N: LA 100 | SIMENS/CLEAN | | 1 | 1 | | 2.500,00 € | 2.500,00 € | 8 |
| 14 | 1 | Electrical control panel: Monitor touch screen with synoptic installed, MT8102iP1 | various | A5015-A5016-IUM | 99-100 ALL | OR. MAN. P/N: MT8102iP1 CLEAN P/N: LA 093 | TECNOUNO/CLEAN | | 1 | 1 | | 2.500,00 € | 2.500,00 € | 8 |
| 15 | 3 | Washing Pump model DGR 1000 (including motor) | various | A5015-A5016-IUM | 21 017 | DRG 1000 | ZENIT | | 1 | 1 | | 5.000,00 € | 5.000,00 € | 8 |
| 16 | 3 | Washing Pump model APG 750 (including motor) | various | A5015-A5016-IUM | 21 018 | APG 750 | ZENIT | | 1 | 1 | | 3.800,00 € | 3.800,00 € | 8 |
| 17 | 2 | Washing Pump model DRG 150 2 80 L0AT5 (including motor) | various | A5015-A5016-IUM | 21 019 | DRG 150 2 80 L0AT5 | ZENIT | | 1 | 1 | | 1.800,00 € | 1.800,00 € | 8 |
| 18 | 2 | Mixers model MXV25 / BONF VF49/80A4 (including motor) | various | A5015-A5016-IUM | 19 006 | MXV25 / BONF VF49/80A4 | CLEAN SRL | | 1 | 1 | | 2.500,00 € | 2.500,00 € | 8 |
| 19 | 4 | Gear Motors M03a/b, M04 a/b for Deoiling System | various | A5015-A5016-IUM | 19 part of 009 | SN 8 F | SEPRA/CLEAN | | 2 | 2 | | 1.250,00 € | 2.500,00 € | 8 |
| 20 | 2 | Electric Motors for sludge extractor M05 / M-06 | various | A5015-A5016-IUM | 28 Part of sludge extractor | 6T2 90L6 P6 IE2 | ELVEM | | 1 | 1 | | 1.500,00 € | 1.500,00 € | 8 |
| 21 | 3 | Dosing Pumps P-09/P-010/P-011 | various | A5015-A5016-IUM | 20 010 (P-09) 011 (P-010/P-011) | TPG800NHH000 - TPG800NHH1000 - PS1D011C34A4000 | SEKO | | 1 | 1 | | 850,00 € | 850,00 € | 8 |
| 22 | 11 | Manual Gate Valves DN80 for washing columns/ WASHING LANES | various | A0102-PID | 1 N/A | 215 FF-PN16 | RACCORVENETA | | 0 | 0 | | 195,00 € | 0,00 € | 8 |
| 23 | 2 | Chemical storage tank: floating sensors for pump P09-P10 PVDF LEVEL PROBE | various | A5015-A5016-IUM | 82 ALL | OR. MAN. P/N: PVDF LEVEL PROBE | ATLAS/CLEAN SRL | | 2 | 2 | | 170,00 € | 340,00 € | 8 |
| 24 | 0 | Seaworthy Packing | | | | | | | 1 | 1 | | 5.500,00 € | 5.500,00 € | |
| 25 | 0 | | | | | | | | | | | | 0,00 € | |
| 26 | 0 | | | | | | | | | | | | 0,00 € | |
| 27 | 0 | | | | | | | | | | | | 0,00 € | |
| 28 | 0 | | | | | | | | | | | | 0,00 € | |
| 29 | 0 | | | | | | | | | | | | 0,00 € | |
| 30 | 0 | | | | | | | | | | | | 0,00 € | |
| 31 | 0 | | | | | | | | | | | | 0,00 € | |
| 32 | 0 | | | | | | | | | | | | 0,00 € | |
| 33 | 0 | | | | | | | | | | | | 0,00 € | |
| 34 | 0 | | | | | | | | | | | | 0,00 € | |
| 35 | 0 | | | | | | | | | | | | 0,00 € | |
| 36 | 0 | | | | | | | | | | | | 0,00 € | |

Please add:
- Dosning pump P-010 - Neutralizing product
- Dosning pump P-011 - Flocculant product

NOTES

GRAN TOTAL (v) 47.090,00 €

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ANOPC — TECHNIP ENERGIES

# SPARE PARTS LIST FOR 2 YEARS OPERATION AND INTERCHANGEABILITY RECORD

MR: 4190-003

Project N°: 079254C

Owner: ANOPC

Rev. 0



QUANTITY OF PARTS PER UNIT

| (A) ITEM | 55-Z-001/P01 55-Z-001/P02 | 55-Z-001/P03 55-Z-001/P04 | 55-Z-001/P05 | 55-Z-001/P06 | 55-Z-001/P07 | 55-Z-001/P08 | 55-Z-001/MX-01 (including 55-Z-001/MXM-01) 55-Z-001/MX-02 (including 55-Z-001/MXM-02) | 55-Z-001/M-03 55-Z-001/M-04 | 55-Z-001/M-05 55-Z-001/M-06 | 55-Z-001/P09 55-Z-001/P10 55-Z-001/P11 | 1D55-LK531/ 1D55-LK 5532 1D55-LK533/ 1D55-LK 534 | 1D55-LK536 1D55-LK537 | 1D55-EVY-5501 | MGV-06-50/MGV-07-50 MGV-08-50/MGV-09-50 MGV-10-50/MGV-11-50 | MGV-01-80/MGV-02-80 MGV-03-80/MGV-04-80 MGV-05-80 | 55-Z-001 - desding system | 55-Z-001 - desding system | 55-Z-001 - desding system | 55-Z-001 - desding system | 55-Z-001 - desding system | 55-Z-001 - desding system | 55-Z-001 - Wheel Washing Lane | 55-Z-001 - Wheel Washing Lane | 55-Z-001 - Wheel Washing Lane | 55-Z-001 - Wheel Washing Lane | 55-Z-001 - Clarification Tank - sludge extractor | 55-Z-001 - Electrical Control Panel - PLC+Software | 55-Z-001 - Electrical Control Panel - Touch Screen Panel+Symodic | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (B) MODEL | DRG 1000 | APG 750 | DRG 150 2 8D L0ATS | DRG 150 2 8D L0ATS | DRG 1000 | APG 750 | MXV25 | SEPRA SN 8 F | ELVEM 672 SKILE PR IE2 | TPG80NHH000 - TPG80NHH1000 - PS1D011C344A000 | FINDER 72.A1.0.000.1001 - LA.041 | ATLAS NEA300/013 | TECNOUNO 21W4KB250 - LA.022 | art.215 FF-4N16 | art.215 FF-4N16 | 104.003.001 W40/S 100 | 104.003.002 W40/S 100 | 104 000 003- 1UW40/S100 | 105 000 021 S100 | STB/Super- 54 060 | LA.001 NZ12 | LA.002 NZ38 | LA.018a | LA.018b | LA.053 | LA.100 | LA.093 | | | | | | | |
| (C) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| (D) | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 6 | 2 | 1 | 6 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | | | | | | |
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| 16 | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Please add the follows tag:
- 55-Z-001/P10
- 55-Z-001/P11

| | | | |
|---|---|---|---|
| MANUFACTURER'S REFERENCE: | CLEAN S.r.l. | LOCAL DEALER: | N/A |
| STREET ADDRESS / ZIP CODE : | Via Borgo Padova, 64 / 35012 | STREET ADDRESS / ZIP CODE : | N/A |
| CITY / COUNTRY: | Camposampiero (Padova) / ITALY | CITY / COUNTRY: | N/A |
| MAIN PHONE / FAX: | +39 049 9300500 | MAIN PHONE / FAX: | N/A |
| MANAGER/CONTACT : | Mr. M. Aliberti / m.aliberti@clean-impianti.it | MANAGER/CONTACT : | N/A |